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SEEDS

for the

NURSERYMAN

AND

FORESTER

1953 - 1954

F. W. SCHUMACHER

HORTICULTURIST

P. O. BOX 131

JAMAICA PLAIN 30, MASS.

TERMS

Deliveries are subject to yield of crops and safe arrival of consignments.

It is not possible to have all items listed available at all times. A number of perishable seeds cannot be stored successfully and must be ordered in season. All seeds are offered subject to crop failures or short supplies.

Seeds are sold without warranty, expressed or implied as to description and productiveness. Goods should be carefully inspected upon arrival and claims for conditions made at once. We cannot consider claims after seeds have been stored or planted.

All shipments travel at buyer's risk and claims for damages in transit must be taken up with carriers.

CAUTION—While it is true that plants grown from seed of horticultural varieties often yield superior plant material in comparison to that grown from nondescript seed, we wish to emphasize that seeds of such varieties or hybrids, with few exceptions, cannot be expected to come true to name. They are offered here for the convenience of competent plantsmen, for research and breeding work only.

CUSTOMERS OTHER THAN PROFESSIONALS—Please note that their orders for pound lots will be handled in line with all others. Orders for small quantities of assorted items must wait their turn to be filled after arrival of respective items from sources. We suggest that such orders be placed with us prior to March 1st. During the busy spring and fall shipping seasons orders for small amounts of seeds cannot be filled promptly. Please confine correspondence concerning small orders to the most necessary and attach a stamped return envelope if your inquiry does not concern an order. The right is reserved to return orders received in excess of our facilities.

PRICES—subject to change without notice, are f.o.b. Boston.

PAYMENT—for customers of approved credit upon receipt of invoice. A cash discount of 3 % is allowed on all orders amounting to \$10.00 or more. For orders or shipments requested for less than \$5.00, please remit \$.50 extra for handling. Please include postage charges in your remittance together with charges for packing, 5 % for all items in pound lots or over. Packing is charged at cost.

ORDERING—We request that written orders be a separate part of any correspondence and clearly show amount and price of each item listed. Quantities smaller than listed cannot be supplied.

SHIPMENTS TO CANADA—In compliance with current regulations covering entry of seeds of trees and shrubs customers will please apply for a Dominion entry permit to be enclosed with order. Orders to Canada can be filled in bulk lots only in quantities not less than one-quarter pound. Regulations prescribing U.S.A. inspection of every seed lot forwarded are not favorable to the preparation of packet lots, ounce quantities or less, which we must exclude from dispatch across the border. Perennial flower seeds are unrestricted and can be shipped as before.

CERTIFICATION—All bulk lots of forest seeds received from abroad are certified as to origin as a matter of course. Special certificates will be furnished upon request.

ABBREVIATION—N. E. stands for New England seed, a sign of hardiness; d.b. for dried berries; asterisk (*) denotes new or insufficiently known plants of merit.

WE ARE IN THE MARKET FOR TREE AND SHRUB SEEDS OF ALL KINDS.

F. W. SCHUMACHER

579 CENTRE STREET - - - - - P. O. BOX 131

JAMAICA PLAIN 30, MASS.

Telephone JA-2-1850

	oz.	¼ lb.	lb*
ABIES alba (pectinata).....		.65	1.50
<i>amabilis</i>.....	.85	2.35	6.50
<i>cephalonica</i>.....		.85	2.50
<i>cilicica</i>.....		.85	2.50
<i>concolor</i> , California.....		1.75	5.00
<i>concolor</i> , Colorado.....		1.75	5.00
<i>firma</i>.....		.85	2.50
<i>fraseri</i>.....	.85	2.35	
<i>grandis</i>.....	.85	2.35	6.50
<i>homolepis</i>		1.50	4.25
<i>lasiocarpa</i>.....	.85	2.35	6.50
<i>lasiocarpa arizonica</i>.....	.85	2.35	
<i>nordmanniana</i> , Northern Europe.....		1.25	3.50
<i>nordmanniana</i> , South Central Europe.....		.85	2.25
<i>pinsapo</i>.....		.85	2.50
<i>pinsapo glauca</i>		1.10	3.00
<i>procera</i> (<i>nobilis</i>).....	.85	2.35	6.50
<i>veitchi</i>		1.65	4.50
ACACIA armata	1.10	3.00	
<i>baileyana</i>.....	.60	1.65	4.50
<i>cultriformis</i>.....	.65	1.75	5.00
<i>cyanophylla</i>.....	.50	.85	2.50
<i>cyclops</i>.....	.50	1.10	3.00
<i>decurrens</i>.....	.50	1.10	3.00
<i>decurrens dealbata</i>.....	.50	1.10	3.00
<i>decurrens dealbata</i> , fast growing cultural selection.....	.65	1.75	5.00
<i>decurrens mollis</i> (<i>mollissima</i>).....	.40	1.00	2.75
<i>farnesiana</i>.....	.55	1.25	3.50
<i>longifolia</i>.....	.60	1.65	4.50
<i>longifolia floribunda</i>.....	.55	1.40	4.00
<i>melanoxyton</i>.....	.50	1.10	3.00
<i>pendula</i> 250 seeds 1.25—1,000 seeds, 3.00			
<i>pycnantha</i>.....	.50	.85	2.50
<i>retinodes floribunda</i>.....	.55	1.25	3.50
<i>saligna</i>.....		.55	1.50
<i>verticillata</i>	2.00		
ACER argutum.....	.70	1.80	5.25
<i>campestre</i>.....		.45	.75
<i>carpinifolium</i>.....	.80	2.25	6.00
<i>crataegifolium</i>.....	.55	1.40	4.00
<i>davidi</i>	1.25	3.50	
<i>diabolicum</i>.....	.50	1.25	3.50
<i>ginнала</i>.....	.50	1.10	3.00
<i>griseum</i>	1.00	3.00	
<i>japonicum</i>.....	.55	1.40	4.00
<i>macrophyllum</i>.....	.50	1.10	3.00
<i>mono</i> (<i>pictum</i>).....	.60	1.35	3.75
<i>negundo</i>.....		.45	.75
<i>nikoense</i>.....	.55	1.40	4.00
<i>palmatum</i> , small seeded.....	.55	1.40	4.00
<i>palmatum</i> , from garden specimens.....	.55	1.40	4.00

	oz.	¼ lb.	lb.
ACER (continued)			
palmatum atropurpureum	.80	2.25	6.00
palmatum atropurpureum dissectum	2.00	5.40	15.00
pennsylvanicum	.50	1.00	2.85
platanoides		.50	1.25
rubrum		.85	2.50
rufinerve	.65	1.70	4.75
saccharum		.70	2.00
saccharum, New England		1.00	2.75
spicatum	.50	1.20	3.25
ACTINIDIA arguta	1.25	3.60	
polygama	.65	1.75	
ADENANTHERA pavonina	.70	2.00	
AILANTHUS altissima (glandulosa)			.75
AKEBIA quinata	.50	1.10	3.00
ALBIZZIA julibrissin		.50	1.00
julibrissin rosea, a hardy strain (Zone 5)	.50	1.15	3.25
lophanta	.50	1.00	2.75
ALNUS cordata	.50	.85	2.50
glutinosa		.55	1.50
incana		.65	1.75
japonica	.50	1.10	3.00
rugosa, N. E.	.90	2.50	
viridis		.70	2.00
AMORPHA canescens	.50	1.25	3.50
fruticosa		.50	1.00
microphylla (nana)		.50	1.25
AMPELOPSIS (see also Parthenocissus) aconitifolia, N. E., d.b.	.75		
brevipedunculata (heterophylla) N. E., d.b.	.65	1.75	
ARALIA elata (chin. mandshurica)	.90	2.50	7.00
elata canescens	.65	1.75	5.00
spinosa, d.b.	.50	1.10	3.00
ARBUTUS menziesi, d.b.	.50	1.25	3.50
unedo, clean	1.00	2.50	
ARCTOSTAPHYLOS manzanita, d.b.	.50	.80	2.25
urva ursi, clean	.55	1.40	4.00
ARDESIA crenulata	.65	1.75	5.00
japonica	.80	2.25	6.00
ARECA (Chrysalidocarpus) lutescens, domestic seed in early fall			
		1,000 seeds	5.50
ARECASTRUM romanzoffianum (Cocos plumosa)			
		250 seeds	1.50—1,000 seeds 5.00
ARONIA arbutifolia, d.b.	.90	2.50	
arbutifolia brilliantissima, d.b.	1.10	3.00	
melanocarpa, d.b.	.65	1.75	
prunifolia (atropurpurea), d.b.	.85	2.50	
ASIMINA triloba		.75	2.25

	oz.	¼ lb.	lb.
AZALEA albrechti	1.00 ½ oz.		
arborescens, N. E.....	1.00 pkt.		
atlantica.....	.50 pkt.		
calendulacea, N. E.....	.65 ⅙ oz., 1.50 ¼ oz.		
canescens.....	.75 ⅙ oz.		
indica (macrantha).....	.60 ¼ oz.	3.00	
japonica, imported seed, Japan.....	1.00 ¼ oz., 3.00 oz.		
japonica, yellow flowered, Japan.....	1.00 ¼ oz.	3.00	
kaempferi, (see under obtusa)			
linearifolia macrosepala, N. E.....	.50 pkt.		
maxwelli, N. E.....	.50 pkt., 1.50 ½ oz.		
mollis, domestic seed, yellow and orange shades.....	.75 ⅙ oz., 1.75 ¼ oz.		
mollis, imported.....	1.00 ¼ oz.	3.00	
mucronata (ledifolia alba) white, N. E.....	.50 pkt., 1.00 ½ oz.		
mucronulatum, N. E.....	1.00 pkt.		
nudiflora.....	.65 ⅙ oz., 1.50 ¼ oz.		
obtusa, Japan, shades of red and rose.....	1.00 ¼ oz.		
obtusa japonica (kiusiana).....	.50 pkt.		
obtusa kaempferi, home grown, N. E.....	1.00 ⅙ oz., 3.50 ¼ oz.		
obtusa kaempferi, low spreading type, red flowers.....	1.25 ½ oz.		
obtusa kaempferi, imported seed, Japan.....	.45 ⅙ oz., 1.00 ¼ oz.		
pennsylvanica.....	.50 pkt.		
pontica.....	.75 ⅙ oz., 1.75 ¼ oz.		
*poukhanensis, N. E.....	1.00 ½ oz., 3.00 ⅙ oz.		
prunifolia.....	.50 pkt.		
reticulata (dilatata).....	1.00 ⅙ oz.		
rosea, N. E.....	1.25 ⅙ oz.		
schlippenbachii, Korean strain, N. E.....	.75 ⅙ oz., 1.75 ¼ oz.		
vaseyi, N. E.....	.75 ⅙ oz., 1.25 ¼ oz.		

(See listing of Hybrid varieties on page 24.)

BERBERIS thunbergi , clean.....	.60	1.65	4.50
thunbergi atropurpurea, d.b.....	1.00	2.75	7.50
thunbergi pluriflora, from profusely fruiting selection, d.b.....	1.00		
BETULA japonica.....	.50	1.20	3.25
lenta.....	.50	1.10	3.00
lutea.....	.50	1.10	3.00
lutea, clean.....	1.00	2.70	7.50
papyrifera.....	.55	1.25	3.50
papyrifera, clean.....	.90	2.35	6.50
papyrifera minor.....	.90	2.25	
pendula (alba), clean.....	.45	.80	2.25
pendula (alba), seed from northern limit, clean.....	.50	1.10	3.00
populifolia.....	.50	1.10	3.00
pubescens (odorata).....		.70	2.00
pumila.....	1.00	2.50	
BRACHYCHITON acerifolium		1.40	4.00
discolor.....		1.65	4.50
populneum.....		1.20	3.25
BROUSSONETIA papyrifera.....	.70	1.85	5.50

	oz.	¼ lb.	lb.
BUDDLEIA davidi (variabilis) . . . . .	.60	1.50	4.25
davidi, from new garden forms . . . . .	.65 ¼ oz.	2.00	
davidi, white . . . . .	.65 ¼ oz.	2.00	
japonica . . . . .	.60 ¼ oz.	2.00	
BUTIA capitata (Cocos australis) 250 seeds 1.50—1,000 seeds 4.50			
BUXUS microphylla japonica		1.75	5.00
sempervirens . . . . .	.50	.90	2.50
CALLUNA vulgaris , clean . . . . .	.55 ¼ oz.	.90	
CALYCANTHUS floridus . . . . .	.50	1.00	2.75
occidentalis . . . . .	.50	1.25	3.50
CAMELLIA japonica , seed from Japan . . . . .	.50	.70	2.00
japonica, from garden specimens . . . . .	.50	.90	2.50
japonica, seed from named double varieties 100 seeds 2.50			
sasanqua . . . . .	.50	.80	2.25
CAMPSIS (Bignonia) grandiflora . . . . .	.50	1.10	3.00
radicans . . . . .	.50	1.10	3.00
CAPPARIS inermis		1.10	3.00
spinosa		1.10	3.00
CARAGANA arborescens . . . . .	.50	1.10	3.00
CARPENTERIA californica 70 ⅛ oz., 2.00 ¼ oz.			
CARPINUS betulus , clean . . . . .		.50	1.25
caroliniana, clean . . . . .	.50	1.10	3.00
CARYOTA urens , Wine Palm, crop early fall . 100 seeds 5.00—1,000 seeds 26.00			
CASSIA artemisioides	1.50	4.00	
tomentosa	1.10	3.00	
CASUARINA cunninghamiana , domestic seed	1.00	2.75	7.50
cunninghamiana, imported seed . . . . .	.50	1.25	3.50
equisetifolia, domestic seed . . . . .	.50	1.10	3.00
CATALPA bignonioides . . . . .		.40	1.00
ovata . . . . .		.55	1.50
speciosa		1.10	3.00
CEANOTHUS americanus . . . . .	.80	2.25	6.00
arboreus . . . . .	.60 ¼ oz.	1.50	
arboreus hybrids . . . . .	.60 ¼ oz.	1.50	
cyaneus . . . . .	.60 ¼ oz.	1.65	
delilianus (arnouldi) americanus x coerulea hybrid, with pale blue flowers, N. E. . . . .	.50 ⅞ oz.		
megacarpus . . . . .	.60 ¼ oz.	1.50	
olivaceus tomentosus . . . . .	.90 ¼ oz.	2.50	
purpureus . . . . .	.90 ¼ oz.	2.50	
spinous . . . . .	.60 ¼ oz.	1.50	
thyrsoflorus . . . . .	.50 ¼ oz.	1.25	
verrucosus . . . . .	.60 ¼ oz.	1.50	
CEDRUS atlantica }		1.20	3.25
atlantica argentea }		1.25	3.50
atlantica glauca }		1.30	3.75
deodara } . . . . .		.90	2.50
libani }		1.20	3.25

Not suppliable for export

	oz.	¼ lb.	lb.
CELASTRUS orbiculatus, clean	.50	1.00	2.75
scandens, clean	.65	1.85	5.25
scandens, d.b.		.90	2.50
CELTIS mississippiensis (laevigata), d.b.	.65	1.75	
occidentalis, d.b.	.55	1.50	
CEPHALANTHUS occidentalis, clean	.65	1.75	
CEPHALOTAXUS drupacea	.45	1.25	
fortuni	.55	1.50	
CERATONIA siliqua	.45	1.25	
CERCIDIPHYLLUM *japonicum	2.00	5.00	
CERCIS canadensis	.50	1.10	3.00
chinensis	.60	1.55	4.50
occidentalis	.55	1.25	3.50
siliquastrum		.35	1.00
siliquastrum alba		.55	1.50
CHAENOMELES lagenaria (Cydonia japonica)	.55	1.40	4.00
lagenaria pygmaea	.55	1.25	3.50
CHAMAECYPARIS lawsoniana		.55	1.50
lawsoniana, from garden forms, northern grown seed	.50	1.05	2.85
lawsoniana allumi, blue, columnar shaped form	.50	1.10	3.00
lawsoniana argentea	.50	.90	2.50
lawsoniana aurea	.50	.90	2.50
lawsoniana pendula glauca	.50	1.00	2.75
lawsoniana pyramidalis	.50	1.00	2.75
lawsoniana Triumph de Boskoop, choice blue form	.50	1.10	3.00
*nootkatensis	.75	1.75	5.00
obtusa	.50	1.10	3.00
obtusa aurea	.65	1.75	5.00
obtusa, garden forms	.65	1.75	5.00
pisifera	.50	1.25	3.50
pisifera filifera	.60	1.50	4.25
pisifera plumosa	.60	1.55	4.50
pisifera squarrosa	.80	1.85	5.25
thyoides	.90 ¼ oz.	2.50	
CHAMAEROPS humilis		.45	1.00
CHILOPSIS linearis	.80	2.35	6.50
CHIMONANTHUS (Meratia) praecox		.80	2.25
CHIONANTHUS virginicus, clean	.50	1.10	3.00
CINNAMOMUM camphora		.65	1.80
CLADRASTIS lutea	.50	1.30	3.75
CLEMATIS alpina	.75 ¼ oz.	2.00	
florida	.65	1.75	
paniculata, imported	.55	1.65	4.50
patens	.65	1.75	
viticella		.60	2.50
CLERODENDRON trichotomum	.50	.95	2.50

	oz.	¼ lb.	lb.
CLETHRA acuminata d.b.	1.00		
alnifolia, N. E. d.b. ....	.55	1.25	3.50
barbinervis, clean.	1.10	3.00	
fargesi, d.b. ....	.50 pkt.		
tomentosa, d.b.	1.00		
COCCULUS carolinus ....		.55	1.50
COLUTEA arborescens ....		.65	1.75
CORDYLINE (<i>Dracaena</i>) <i>indivisa</i> , clean. ....	.60	1.50	4.25
CORNUS alternifolia , N. E. d.b. ....	.50	1.10	3.00
amomum, clean. ....	.50	1.10	3.00
canadensis, N. E. d.b. ....	.50	1.25	3.25
capitata. ....		.70	2.00
controversa. ....	.55	1.35	3.75
florida, Southern, clean. ....	.50	.95	2.50
florida, climatic Zone 6, clean. ....	.50	.95	2.50
florida, N. E., Zone 4 or 5, d.b. ....	.50	1.00	2.75
kousa, clean. ....	.55	1.25	3.50
macrophylla (<i>brachypoda</i>).		1.75	5.00
mas, clean. ....		.60	1.50
nuttalli, d.b. ....	.50	1.25	3.50
racemosa (<i>paniculata</i>), clean. ....	.50	1.10	3.00
racemosa (<i>paniculata</i>) d.b. ....		.60	1.50
rugosa, d.b. ....	.50	1.10	3.00
sanguinea, clean. ....		.50	1.00
stolonifera, d.b. ....		.70	1.75
CORONILLA emerus ....	.60	1.50	
CORYLOPSIS sinensis ....	.65 ¼ oz.	2.00	
CORYLUS americana ....		.65	1.65
avellana. ....		.50	1.10
COTINUS coggygia (<i>Rhus cotinus</i>). ....		.65	1.65
COTONEASTER acuminata , clean. ....	.65	1.75	5.00
acutifolia, clean.	1.00		
adpressa <i>praecox</i> , d.b. ....	.60 ¼ oz.	1.50	
apiculata, d.b. ....	.75	2.25	6.00
bullata, clean. ....	.65	1.75	5.00
bullata <i>floribunda</i> , d.b. ....	.70	2.00	
buxifolia, clean. ....	.65	1.75	5.00
dielsiana, clean. ....	.75	2.25	6.00
dielsiana <i>elegans</i> , d.b. ....	.65 ¼ oz.	1.50	
* <i>dielsiana major</i> , d.b. ....	.70	2.00	
divaricata, clean.	1.00	2.75	7.50
francheti, clean. ....	.60	1.50	4.25
francheti <i>cinerascens</i> , d.b. ....	.75		
gracilis, d.b., N. E. ....	.45 ¼ oz.	1.25	
horizontalis, clean. ....	.60	1.50	4.25
horizontalis <i>perpusilla</i> , d.b. ....	.45 ¼ oz.	1.25	
lactea, N. E., d.b. ....	.70	2.00	
lucida, clean. ....	.80	2.25	6.00
microphylla, clean. ....	.65	1.75	5.00

	oz.	¼ lb.	lb.
COTONEASTER (continued)			
* <i>multiflora</i> , clean	1.00	2.80	8.00
* <i>multiflora calocarpa</i> , d.b.	.70	2.00	
<i>nitens</i> , d.b.	.70	2.00	
<i>pannosa</i> , clean	.65	1.65	4.50
<i>racemiflora</i> , d.b.	.75	2.20	
<i>racemiflora songarica</i> , d.b.	.75	2.20	
<i>racemiflora veitchi</i> , d.b.	.75	2.20	
<i>rosea</i> , clean	.60 ¼ oz.	1.50	
<i>rotundifolia lanata</i> , clean	.65	1.75	
<i>salicifolia</i> , clean	.65	1.75	5.00
<i>simonsi</i> , d.b.	.50	1.00	3.00
<i>thymifolia</i> , d.b.	.45 ¼ oz.	1.25	
<i>zabeli</i> , d.b.	.55	1.50	
CRATAEGUS <i>crus-galli</i> , clean			
<i>intricata</i> (coccinea), clean	.80	2.25	
<i>mollis</i> , clean	.85	2.25	
<i>monogyna</i>	.90	2.50	
<i>oxyacantha</i> , clean	.50	1.00	
<i>oxyacantha</i> , clean	.50	1.25	
<i>phaenopyrum</i> (cordata), clean	.65	1.65	4.50
<i>prunifolia</i> , clean	.50	1.25	3.50
<i>punctata</i> , clean	.50	1.25	3.50
CRYPTOMERIA <i>japonica</i> , European seed			
<i>japonica</i> , Oriental seed	.80	2.00	
<i>japonica</i> , Oriental seed	.50	.90	2.50
<i>japonica elegans</i>	.65	1.65	4.50
<i>japonica lobbi</i>	.50	1.40	4.00
CUNNINGHAMIA <i>lanceolata</i>			
	.70	2.00	5.50
CUPRESSUS <i>arizonica</i> (glabra or bonita) domestic seed from pyramid specimens			
<i>arizonica</i> , imported seed	.65	1.70	4.75
<i>arizonica</i> , imported seed	.50	1.10	3.00
* <i>forbesi</i>	1.75	4.50	12.00
<i>funbris</i>	.50	1.10	3.00
<i>goveniana</i>	.50	1.10	3.00
<i>lusitanica glauca</i>	.50	.90	2.50
<i>lusitanica benthami</i>	.50	1.00	2.75
<i>macnabiana</i>	.70	2.00	
<i>macrocarpa</i>	.50	1.10	3.00
<i>macrocarpa</i> , from garden specimens	.50	1.25	3.50
<i>macrocarpa</i> , from northern sources, British Isles	.50	2.25	6.00
<i>sempervirens horizontalis</i>		.50	1.00
<i>sempervirens stricta</i>		.50	1.10
<i>torulosa</i>	.50	.80	2.25
<i>torulosa majestica</i>	.50	.90	2.50
CYDONIA (see also <i>Chaenomeles</i>) <i>oblonga</i> (vulgaris)			
	.65	1.75	5.00
CYTISUS * <i>austriacus</i>			
<i>hirsutus</i>	.60 ¼ oz.	1.50	
<i>multiflorus</i>	.70	2.00	
<i>multiflorus</i>	.50	.90	2.50
<i>multiflorus praecox</i> (praecox alba)	.70 ¼ oz.	2.00	
* <i>multiflorus</i> , White Gem	.60 ¼ oz.	1.50	
<i>nigricans</i>	.75	2.25	6.00

	oz.	¼ lb.	lb.
CYTISUS (continued)			
<i>ratisbonensis</i> , N. E. ....	.45 ½ oz.		
<i>scoparius</i> .....	.35	.55	1.50
<i>scoparius andreas</i> , yellow with crimson wings .....	.55 ¼ oz.	1.50	4.25
<i>scoparius andreas hybrids</i> (<i>dallimorei</i>), vari-colored flowers in pastel shades of yellow, rose and white	1.00 ¼ oz.	2.85	
<i>*supinus</i> , N. E. ....	.50 ¼ oz.	1.00	3.00
DAPHNE, <i>mezereum</i> , clean .....	.50	1.25	3.50
<i>mezereum rubrum</i> , clean .....	.85	2.50	6.75
DEUTZIA <i>scabra</i> (<i>crenata</i>) .....	.50	1.00	
DIOSPYROS <i>kaki</i> .....		.65	1.75
<i>lotus</i> .....		.50	1.25
<i>virginiana</i> .....		.50	1.00
<i>virginiana</i> , northern .....		.50	1.25
<i>virginiana</i> , from trees in cultivation .....		.70	2.00
DISANTHUS <i>cercidifolius</i> .....	.75	2.25	6.00
DRACAENA <i>draco</i> , clean .....	.50	1.20	3.25
ELEAGNUS <i>angustifolia</i> , clean .....		.50	1.10
<i>commutata</i> (<i>argentea</i>), d.b. ....		.50	1.25
<i>umbellata</i> , clean .....	.60	1.40	4.00
ELSHOLTZIA <i>stauntoni</i> .....	.75 ½ oz.		
ENKIANTHUS <i>campanulatus</i> , N. E. ....	.45 ⅙ oz., .90 ¼ oz.	2.50	
ERICA <i>arborea</i> , clean .....	.45 ¼ oz.	1.00	
<i>carnea</i> , clean .....	.95 ¼ oz.	2.50	
ERIOBOTRYA <i>japonica</i> , please order in spring for summer delivery			2.50
ERYTHEA (<i>Brahea</i>) <i>armata</i> , clean		1.20	3.25
<i>edulis</i> , clean		1.00	2.70
ERYTHRINA <i>crista-galli</i> .....	.40	1.40	4.00
EUCALYPTUS <i>botryoides</i> .....	.85	2.50	7.00
<i>camaldulensis</i> (<i>rostrata</i>) .....	.65	1.75	5.00
<i>globulus</i> , clean .....	.40	1.40	4.00
EUCRYPHIA <i>glutinosa</i>	1.25 ¼ oz.		
EUONYMUS <i>alatus</i> , clean .....	.50	1.10	3.00
<i>europaeus</i> , clean .....		.70	2.00
<i>europaeus intermedia</i> (<i>fructu coccineo</i>) with bright red fruit .....	.50	1.10	3.00
<i>fortunei</i> (<i>radicans</i>) clean .....	.50	1.20	3.25
<i>japonicus</i> , clean .....		.75	2.00
<i>latifolius</i> .....	.50	.90	2.50
<i>oxyphyllus</i> , clean .....	.50	1.00	3.00
<i>sachalinensis</i> (<i>planipes</i>), clean .....	.60	1.60	4.50
<i>yedoensis</i> , d.b. ....	.60	1.50	
EUPTILEA <i>polyandra</i> .....	.80	2.25	6.00
EVODIA <i>danielli</i> .....	.75		
EXOCHORDA <i>grandiflora</i> .....	.55	1.65	3.50
FAGUS <i>sylvatica</i> , South Central Europe .....		.50	1.00
<i>sylvatica</i> , Northern Europe .....		.50	1.25
<i>sylvatica purpurea</i> .....		.80	2.25

	oz.	¼ lb.	lb.
FATSIA japonica (Aralia sieboldi).....	1,000 seeds 2.50		
FEIJOA sellowiana.....	1,000 seeds 2.25		
FIRMINIANA simplex.....		.80	2.25
FRANKLINIA alatomaha.....	100 seeds 1.75, 1,000 seeds 11.00		
FRAXINUS americana.....		.50	1.35
excelsior.....			.70
longicuspis sieboldiana.....		.50	1.10 3.00
mandshurica.....		.50	1.10 3.00
oregona.....		.50	.90 2.50
ornus.....			.75
pennsylvanica lanceolata.....			.85
FREMONTIA mexicana.....	.70 ¼ oz.	2.00	
GARDENIA jasminoides (florida).....		.60	1.65 4.50
GENISTA aetnensis.....		.50	1.25
canariensis.....		.85	2.50
fragrans.....		1.00	3.00
germanica.....		.75	
monosperma.....		.55	1.55
pilosa.....		.75	
radiata.....		.75	
tinctoria.....		.60	1.65 4.50
GINKGO biloba.....		.55	1.50
biloba, New England seed.....		.70	2.00
LEDITSIA japonica.....		.50	.90 2.50
sinensis.....		.50	1.00 2.75
triacanthos.....			.50 1.10
triacanthos inermis.....			.50 1.25
GREVILLEA robusta, domestic seed.....	1.00 ¼ oz.	3.00	
GYMNOCLADUS dioicus.....		.45	.75
HALESIA carolina (tetraptera).....		.80	2.25
monticola.....		.50	.90 2.50
HAMAMELIS japonica.....		.80	2.25 6.00
mollis, N. E.....	1.00 ¼ oz.		
vernalis, tall growing form.....	.60 ¼ oz.	1.50	4.25
vernalis tomentella, bush type.....	.60 ¼ oz.	1.50	
virginiana, Southern.....		.80	2.25 6.00
virginiana, Northern (Zone 4).....		.80	2.35 6.50
HIBISCUS mutabilis.....		.45	1.25 3.75
paramutabilis.....	.50 ¼ oz.		
syriacus.....		.50	1.25
syriacus, white flowered.....		.60	1.50
HIPPOPHAE rhamnoides.....		.50	.90 2.50
HOVENIA dulcis.....		.50	1.00 2.75
HYDRANGEA petiolaris.....			1.00
HYPERICUM frondosum (aureum).....	.50 ⅓ oz.		
kalmianum.....	.75 ¼ oz.		
IDESIA polycarpa.....		.70	2.00

	oz.	¼ lb.	lb.
ILEX aquifolium , berries, domestic (French) strain, from cut-green orchards..			3.75
<i>aquifolium</i> , clean.....		.65	1.75
<i>aquifolium</i> , from garden varieties.....	.90	2.50	
<i>cornuta</i> , domestic, cleaned and floated.....	.80	2.25	6.00
<i>crenata</i> , clean.....		.90	2.50
<i>glabra</i> , d.b.....		.55	1.50
<i>integra</i>.....	.60	1.50	
<i>latifolia</i>.....	.65	1.75	5.00
<i>montana</i> (<i>monticola</i>), d.b.....	.50	1.10	3.00
<i>opaca</i> , clean.....	.65	1.70	4.75
<i>opaca</i> , from its northern range, clean.....	.75	2.15	6.00
<i>pedunculosa</i> , clean.....	.60	1.50	4.25
<i>serrata</i> (<i>sieboldi</i>), clean.....	.60	1.50	4.25
<i>verticillata</i> , clean.....	.80	2.25	6.00
INDIGOFERA dosua.....	.40 ¼ oz.	1.25	
JUBAEA spectabilis	100 seeds .75, 500 seeds	3.00	
JUGLANS cordiformis			1.25
<i>regia</i> , large fruited.....			1.10
<i>sieboldiana</i>			1.25
JUNIPERUS californica , d.b.....	.40	.80	2.25
<i>chinensis</i> , clean, import grade.....	.60	1.50	4.25
<i>chinensis</i> , cleaned and floated, 80% sound seed.....	1.00	2.90	8.00
<i>communis depressa</i> , N. E., d.b.....	.50	1.00	2.75
<i>communis depressa</i> , clean.....	.90	2.50	7.00
<i>communis</i> , upright columnar type, clean.....		.60	1.50
<i>communis saxatilis</i> (<i>montana</i>), clean.....	.80	2.25	6.00
<i>conferta</i> , clean.....	1.00	2.75	7.50
<i>monosperma</i> , d.b.....		.80	2.25
* <i>pachyphloea</i> , d.b.....	.45	.70	2.00
<i>procumbens</i> , clean.....	1.00	2.75	7.50
<i>rigida</i> , clean.....	.50	1.65	4.50
<i>sabina</i> , d.b.....		.65	1.75
<i>scopulorum</i> , clean, northern.....	.60	1.75	5.00
<i>scopulorum</i> , dainty leaved Southern blue form, cleaned and floated.....	.75	2.15	6.00
<i>virginiana</i> , Southern, clean.....	.50	1.25	3.75
<i>virginiana</i> , Platte River, d.b.....		.80	2.25
<i>virginiana</i> , Platte River, cleaned and floated, 90% sound seed.....	.75	2.15	6.00
<i>virginiana glauca</i> , clean.....	.70	2.25	6.00
KADSURA japonica.....	.70	2.25	6.00
KALMIA latifolia.....	.55 ¼ oz.	1.50	
<i>latifolia</i> , New England.....	1.00 ¼ oz.	2.50	
KALOPANAX pictus (<i>Acanthop. ricinifolius</i>).....	.80	2.25	6.00
KERRIA japonica.....	.60	1.65	4.50
KETELEERIA fortunei.....	.50	1.25	3.50
KOELREUTERIA paniculata.....		.45	1.35
KOLKWITZIA ambailis , clean, N. E.....	1.70	4.75	

	oz.	¼ lb.	lb.
LABURNUM alpinum .....	.45	.70	2.00
<i>anagyroides</i> (vulgar) .....	.45	.65	1.75
<i>Watereri</i> (alpinum x vulgar) .....	.60 ¼ oz.	2.00	
LAGERSTROEMIA indica , pink, clean .....	.75	2.25	6.00
<i>indica</i> , white	1.00	2.75	7.50
LARIX decidua (europaea) Central Alps, elev. 3,000-3,600 ft., granite .....	.50	1.25	3.50
<i>decidua</i> , foothills Northern Alps, elev. 2,400-3,000 ft., limestone .....	.50	1.25	3.75
<i>decidua</i> , large seeded strain from Western High Alps, 6,000 ft., of late starting and early terminating growth, cold and wind resistant, straight, tall, rapid grower, a good timber tree, a fire ornamental .....	.65	1.70	4.75
<i>decidua</i> , Sudeten (polonica) type, quite distinct, this larch is valued highly by European foresters. It can be much recommended for trial	1.35	3.75	10.50
LAURUS nobilis , clean .....		.50	1.00
<i>leptolepis</i> .....	.75	2.25	6.00
LESPEDEZA bicolor , clean .....	.50	1.25	3.50
<i>buergeri</i> .....	.45	.75	2.00
<i>japonica</i> .....	.50	.90	2.50
<i>thunbergi</i> (formosa) .....	.50	.90	2.50
LEUCOTHOE catesbaei	1.00 ¼ oz.,	2.50 oz.	
LIBOCEDRUS decurrens .....		.75	2.25
LIGUSTRUM amurense , d.b. ....		.75	2.25
<i>japonicum</i> , clean .....		.70	2.00
<i>lucidum</i> , d.b. ....		.70	2.00
<i>obtusifolium</i> (ibota of trade), d.b. ....		.70	2.00
<i>sinense</i> ("South" Privet), clean .....		.65	1.75
<i>vulgare</i> , clean .....		.65	1.75
LIQUIDAMBAR styraciflua .....	.80	1.65	4.50
LIRIODENDRON tulipifera , Southern .....		.40	1.00
<i>tulipifera</i> , Northern .....		.45	1.25
LIVISTONA chinensis (Latania borb.) .....	.50	1.10	3.00
LONICERA caprifolium , clean .....	.65	1.75	5.00
<i>chrysantha</i> , d.b. ....	.50 ¼ oz.	1.50	
<i>etrusca</i> , d.b. ....	.65	1.70	4.75
<i>henryi</i> , d.b. ....	.60 ¼ oz.	1.75	
<i>japonica</i> , clean .....	.70	1.85	5.50
<i>korolkowi zabeli</i> , fine red flowered form, d.b. ....	.50 ¼ oz.	1.50	
<i>morrowi</i> , clean .....	.70	2.25	6.00
<i>morrowi</i> , yellow fruited, d.b. ....	.70	2.00	
<i>ruprechtiana</i> , d.b. ....	.70	2.00	
<i>tatarica</i> , clean .....	.60	1.55	4.25
<i>tatarica alba</i> , d.b. ....	.75	2.25	
<i>tatarica wheeleri</i> (red), d.b.	1.00		
<i>xylostium</i> , clean .....	.70	1.80	5.25
MAACKIA amurensis		1.25	3.75
MACADAMIA ternifolia		1.25	3.50
MACLURA pomifera .....		.70	2.00

	oz.	¼ lb.	lb.
MAGNOLIA denudata (conspicua), d.b. ....	.50	1.25	3.50
<i>fraseri</i> , d.b. ....	.50	1.25	3.75
<i>grandiflora</i> , clean.		1.10	3.00
<i>kobus</i> , clean. ....	.50	1.25	3.50
<i>liliflora</i> , d.b. ....	.60	1.40	4.00
<i>obovata</i> (hypoleuca), clean. ....	.50	1.25	3.50
<i>soulangeana</i> , d.b. ....	.50	1.35	3.75
<i>soulangeana lennei</i> , d.b. ....	.60	1.40	4.00
<i>tripetala</i> , clean. ....	.55	1.65	4.50
<i>virginiana</i> (glauca), clean. ....	.65	1.75	5.00
MAHONIA aquifolia , clean. ....	.85	2.40	6.50
MALUS baccata , clean seed.	1.50	4.35	12.00
<i>baccata</i> , dried pomes. ....		.70	2.00
<i>baccata mandshurica</i> , dried pomes. ....		.70	2.00
<i>coronaria</i> , clean.	1.30	3.60	10.00
<i>common</i> , Apple for stock—French Cider Crab. ....		.50	1.25
<i>common</i> , Apple for stock—domestic seed. ....		.60	1.50
<i>floribunda</i> , clean.	1.00	2.75	7.50
<i>ioensis</i> , clean.	1.35	3.75	
<i>*sargenti</i> , dried pomes, N. E., Free blooming, dwarf ornamental Crab, true from seed. ....	.70	2.00	
<i>sieboldi</i> , clean.	1.25	3.10	8.50
<i>theifera</i> (hupehensis), dried pomes, handsome small tree, very free blooming, true from seed. ....	.50	.90	2.50
<i>zumi</i> , clean.	1.25	3.10	8.50
<i>zumi calocarpa</i> , dried pomes. ....	.50	.90	2.50
MELALEUCA leucadendron. ....	.85		
MELIA azedarach. ....		.70	2.00
MENISPERMUM canadense. ....		.70	2.00
MESPILUS germanica , clean. ....		.70	2.00
MORUS alba , clean. ....	.50	.90	2.50
<i>alba tatarica</i> , clean. ....	.70	2.00	5.50
<i>nigra</i> , clean. ....	.50	1.10	3.00
MYRICA caroliniensis (pennsylvanica) N. E. d.b. ....		.65	1.50
MYRTUS communis , clean. ....	.70	2.00	5.50
<i>communis compacta</i>. ....	.60 ¼ oz.	1.50	
NANDINA domestica , home grown, berries. ....		.80	2.25
<i>domestica</i> , imported, clean. ....	.50	1.25	2.50
<i>domestica</i> , white berried, imported, clean. ....	.55	1.65	4.50
NEMOPANTHUS mucronatus , d.b. ....	.50	1.10	3.00
NERIUM oleander. ....	.50	.80	2.25
NYSSA sylvatica , clean. ....	.50	1.10	3.00
OLEA europaea , from wild plants. ....		.70	2.00
<i>europaea</i> , cultivated varieties. ....		.35	1.00
ORIXA japonica. ....	.75	2.25	
OSTRYA carpinifolia , clean. ....	.50	.90	2.50
<i>virginiana</i> , clean. ....	.75	2.15	6.00

	oz.	¼ lb.	lb.
OXYDENDRON arboreum , clean.....	.45 ¼ oz.	1.25	
PAEONIA suffruticosa (arborea or moutan).....	1.30	3.60	10.00
PALIURUS spina-christi (aculeatus), clean.....		.60	1.50
PARKINSONIA aculeata.....	.50	1.15	3.25
PARTHENOCISSUS (Ampelopsis) quinquefolia , clean.....		.65	1.75
tricuspidata (veitchi), clean.....	.45	.80	2.25
PASSIFLORA coerulea.....	.50 ¼ oz.	1.25	
edulis.....	.50 ¼ oz.	1.25	
incarnata.....	.50 ¼ oz.	1.30	3.60 10.00
PAULOWNIA tomentosa.....	.45	.60	1.50
PHASEOLUS caracalla	100 seeds 1.00, 1,000 seeds 6.00		
PHELLODENDRON amurense , clean.....	.55	1.40	4.00
PHILADELPHUS coronarius , clean.....	.55	1.35	3.75
grandiflorus.....	.50	1.25	3.50
pubescens , vigorous native species.....	.50 ¼ oz.	1.25	
PHOENIX canariensis.....		.50	1.20
dactylifera.....		.70	2.00
dactylifera , Deglet Nur variety.....	.50	1.10	3.00
reclinata	1,000 seeds 3.50		
roebeleni	250 seeds 1.75, 1,000 seeds 5.50		
PHOTINIA glabra , clean.....	.50	1.70	4.75
villosa , clean.....	.55	1.35	3.75
PICEA abies (excelsa), Western Europe, Central Mountains of France (2,700 ft.)	.55	1.40	4.00
abies , Northern Europe, the vigorous Lowland strain.....	.55	1.65	4.50
abies , from lime stone formations in Austria (1,800-2,400 ft.).....	.50	1.20	3.25
abies , from hill origins (1,500-2,400 ft.) South Central Germany (Harz Mts.),			
South Germany and Lower Austria.....	.40	1.00	2.75
abies , alpine origins, 3,000 ft. to timber line, Central Alps of Europe.....	.50	1.25	3.50
abies , the best Norway Spruce timber stands and the tallest and largest trees			
are found in the Boehmerwald region of Europe from which seed again			
becomes available. A hill-type Spruce.....	.50	1.10	3.00
bicolor	1.00	2.00	8.00
breweriana	1.25 ¼ oz.		
engelmanni	1.30	3.60	10.00
glauca (canadensis), from planted stands near sea-level, Northern Europe...	.65	1.75	5.00
glauca densata (Black Hills).....	2.00	5.20	14.00
jezoensis hondoensis	1.00	2.90	8.00
omorika , from wild trees of its native habitat.....	1.25 ¼ oz.	5.00	
omorika , from trees in cultivation.....	1.50 ¼ oz.	6.00	
polita	1.00	2.75	7.50
pungens	1.75	4.50	12.00
pungens glauca	2.00	5.20	14.00
rubens	1.75	4.50	12.00
sitchensis , hardy type, Olympic range.....	1.30	3.60	10.00
PIERIS floribunda , N. E.....	1.10 ¼ oz.	3.00	
formosa	1.00 ⅛ oz., 2.75 ¼ oz.		
japonica , N. E.....	.90 ¼ oz.	2.50	
japonica , imported.....	.65 ¼ oz.	1.50	

	oz.	$\frac{1}{4}$ lb.	lb.
PINUS banksiana	1.25	3.35	9.00
<i>caribaea</i>	1.00	2.75	7.50
<i>cembra</i> .....		.60	1.50
<i>cembroides edulis</i> .....	.50	1.25	3.50
<i>contorta</i> .....	.95	2.90	8.00
<i>contorta latifolia</i> (murrayana)	1.15	3.10	8.50
<i>coulteri</i> .....	.65	1.75	5.00
<i>densiflora</i> .....	.50	.90	2.50
<i>echinata</i>	1.40	4.00	11.00
<i>flexilis</i> .....	.55	1.40	4.00
<i>flexilis reflexa</i> .....	.60	1.60	4.50
<i>griffithi</i> (excelsa) .....	.50	.85	2.50
<i>halepensis</i> .....		.60	1.50
<i>halepensis brutia</i> .....		.65	1.75
<i>jeffreyi</i> .....	.60	1.50	4.25
<i>khasya</i>	1.25	3.60	
<i>koraiensis</i> .....	.50	.85	2.50
<i>lambertiana</i> .....	.55	1.40	4.00
<i>merkusi</i>	1.25	3.60	
<i>mugo</i> (montana), Lowland seed .....	.50	1.10	3.00
<i>mugo gallica</i> .....	.60	1.50	4.25
<i>mugo mughus</i> , Tyrolean Alps, dwarf type .....	.80	2.25	6.00
<i>mugo pumilio</i> , dwarfest of <i>mugo</i> group from Eastern Alps (limestone), 6,000 ft. ....	.85	2.40	6.50
<i>mugo rostrata</i> (uncinata), European Alps .....	.60	1.50	4.25
<i>mugo rostrata</i> (uncinata), Lowland seed .....	.55	1.10	3.00
<i>monticola</i>	1.00	2.80	8.00
<i>muricata</i> .....	.65	1.75	5.00
<i>nigra</i> , Hill strain, elev. 900-2,100 ft. from the heart of the Austrian Pine country in Austria .....	.50	1.20	3.25
<i>nigra</i> , Mountain seed, 2,400-3,000 ft, Central Alps .....	.50	1.10	3.00
<i>nigra</i> , Northern Europe, from planted stands near sea level. ....	.50	1.35	3.75
<i>nigra</i> , South Central Europe, Apennines Mountains, elev. 2,100-2,700 ft. ....	.50	.85	2.60
<i>nigra poiretiana</i> , Mainland form from Calabria .....	.50	1.10	3.00
<i>palustris</i> .....	.50	1.10	3.00
<i>parviflora</i> (pentaphylla) .....	.65	1.75	5.00
<i>pinaster</i> (maritima) .....		.60	1.25
<i>pinea</i> .....		.50	1.10
<i>ponderosa</i> , Colorado .....	.55	1.40	4.00
<i>ponderosa scopulorum</i> .....	.55	1.40	4.00
<i>pumila</i> .....	.80	2.25	6.00
<i>radiata</i> (insignis) .....	.50	1.10	3.00
<i>resinosa</i> , Lake States	2.60	7.20	20.00
<i>rigida</i> , N. E. ....	.65	1.75	5.00
<i>sabiniana</i> .....		.60	1.75
<i>strobus</i> , Lake States Race .....	.85	2.50	6.75
<i>strobus</i> , from planted stands in Europe .....	.65	1.75	5.00

oz. ¼ lb. lb.

PINUS (continued)

sylvestris, for diversity of requirements a choice of strains is offered: See page 26, Pine Lore.

A. Strains from the plains of Northern Europe from stands growing on sandy soil. All are suitable for timber production:

Seed from Belgium, a strain highly regarded by foresters in Western Europe. Longneedled, fastest growing. 50,000 seeds per pound....	.85	2.40	6.50
Seed from Denmark or North Germany, 66,500 seeds per pound.....	.70	2.00	5.50
Seed of West Baltic origin (see under Pine Lore page 28).....	1.75	4.50	12.00
Seed from stands in Denmark grown from Swedish seed, Ulstrupgaard forest district, Randers County, Jutland, certified by district officer..	1.80	4.60	12.50

B. Mountain Strains. Recommended for ornamental use, Christmas tree stock, forest planting:

Seed from origins in Western Europe, green strain, suitable for many uses but not recommended for timber planting. On account of its fast, bushy growth it can be used for wind breaks or shelter plantings, 42,000 seeds per pound.....	.65	1.75	5.00
Seed from Central Alps 2,400-3,000 feet—Swiss Scotch Pine—crop failed.			

Seed from Austrian Forests, hill strain, 1,400 feet, green needles, straight stems, small crowns. 78,500 seeds per pound.....	.80	2.25	6.00
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Seed from native Scotch Highland stands, Scotland, moderate grower, bluish-green, short needled, straight stemmed, a variety close to rigensis, 55,000 seeds per pound.....	1.75	4.50	12.00
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Seed from Rigensis type trees, Northern New York State, Hill country, elevation 1,300 ft.....	1.75	4.50	12.00
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taeda	1.00	2.80	8.00
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thunbergi55	1.15	3.35
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torreyana	1.00	2.90	8.00
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PITTOSPORUM tobira , clean.....	.50	1.10	3.00
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PLATANUS occidentalis , clean.....	.50	1.35	
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orientalis , clean.....	.50	1.25	
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PLUMBAGO capensis	1,000 seeds	3.50	
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PODOCARPUS macrophyllus	1.40	4.00	
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nagi	1.15	3.25	
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POINCIANA gilliesii55	1.40	4.00
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(Delonix regia).....	.75	2.25	6.00
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PONCIRUS (Citrus) trifoliata50	1.25	
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PRUNUS americana , clean.....	.60	1.50	
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amygdalus (communis) Sweet Almond.....		.75	
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amygdalus (communis) Bitter Almond.....		.80	
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armeniaca , clean (Apricot).....		.80	
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armeniaca ansu , clean, hardy Japanese Apricot, close to mandshurica with better fruit.....		.90	
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avium , Mazzard, clean.....	.50	1.00	
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besseyi , clean.....	1.00	2.75	
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caroliniana60	1.50	
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cerasifera (Myrobalan), clean.....	.50	1.00	
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demissa melanocarpa , clean.....	.70	2.00	
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grayana50	1.10	3.00
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ilicifolia , clean.....	.50	1.10	3.00
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	oz.	¼ lb.	lb.
PRUNUS (continued)			
<i>incisa</i> , d.b., domestic (N. E.) seed.....	.40 ¼ oz.	1.00	
<i>incisa</i> , clean, imported.....	.75	1.90	5.50
<i>insititia</i> , N. E.....	.50	.90	2.50
<i>japonica</i>.....	.55	1.40	4.00
<i>laurocerasus</i> (<i>officinalis</i>), clean.....		.60	1.50
<i>lyoni</i> (<i>integrifolia</i>), clean.....	.50	1.10	3.00
<i>maritima</i> , N. E., d.b.....		.70	2.00
<i>maximowiczii</i>.....	.90	2.65	7.50
<i>mume</i> , clean.....		.55	1.50
<i>mume</i> var. <i>Bungo</i> , red flowered.....	.50	1.00	2.75
<i>nipponica</i> , close to <i>incisa</i> , flowers twice larger.....	1.25	3.50	10.00
<i>nipponica kurilensis</i> , flowers still larger.....	1.50	4.00	11.00
<i>padus</i> , clean, imported.....	.50	1.10	3.00
<i>pennsylvanica</i>.....	.50	1.00	2.75
<i>pseudocerasus</i> , white fragrant flowers, early, edible red fruit.....	1.00	2.80	
* <i>sargentii</i> (<i>serrulata sachalinensis</i>) clean.....	.50	1.25	3.50
* <i>sargentii</i> , red flowered.....	1.00	2.80	
<i>serotina</i> , clean.....		.55	1.50
<i>serrulata</i> , clean.....	.50	.80	2.25
<i>serrulata albida</i> (<i>speciosa</i>), white.....	1.00	2.80	
<i>serrulata lannesiana</i>.....	.50	.80	2.25
<i>spinosa</i> , clean.....		.50	1.25
<i>subhirtella</i> , clean.....	.50	.80	2.25
<i>subhirtella ascendens</i>.....	.75	2.15	
<i>subhirtella pendula</i> , clean.....	.50	1.10	3.00
<i>tomentosa</i> , domestic, clean.....	1.00		
<i>tomentosa</i> , imported.....	.40	1.00	2.75
<i>virginiana</i> , d.b.....		.65	1.75
* <i>yedoensis</i>.....		.70	2.00
PSEUDOLARIX kaempferi (<i>amabilis</i>).....	.55	1.20	3.25
PSEUDOTSUGA douglasii , Fraser River type (<i>caesia</i>), failure			
<i>douglasii glauca</i> , Colorado strain.....	2.00	5.20	14.00
<i>douglasii viridis</i> , Coast form, Oregon, failure			
PTELEA trifoliata.....		.50	1.25
PUERARIA thunbergiana.....	.50	1.00	2.75
PUNICA granatum.....	.50	1.10	3.00
PYRACANTHA coccinea , clean.....	.50	.80	2.25
<i>coccinea lalandi</i> , clean.....	.55	1.20	3.25
<i>coccinea lalandi</i> , d.b., N. E. hardy strain, plants wintering at Boston.....	.75	2.25	
PYRUS common pear , domestic seed.....	.50	1.10	3.00
<i>common pear</i> , French imported.....	.75	1.95	5.50
<i>serotina</i>.....	.80	2.25	6.00
QUERCUS palustris.....			.60
<i>rubra</i> (<i>borealis</i>).....			.30
Quercus items for fall delivery only, special prices for large requirements.			
RAPHIOLEPIS indica		1.40	4.00
<i>umbellata</i> (<i>japonica</i>).....		1.25	3.50

	oz.	¼ lb.	lb.
RHAMNUS cathartica , clean. . . . .	.50	.90	2.25
<i>crenata</i> , N. E., less known than <i>frangula</i> , but more meritorious, may easily be grown into a small tree. . . . .	.70	2.00	
<i>davurica</i> , clean. . . . .	.50	1.10	3.00
<i>frangula</i> , clean. . . . .	.55	1.20	3.25
<i>purshiana</i> , clean. . . . .	.55	1.25	3.50
RHODODENDRON arboreum. . . . .	.50 ¼ oz.		
<i>auriculatum</i>. . . . .	.75 ½ oz., 2.25 ½ oz.		
<i>calophytum</i>	1.00 ¼ oz.		
<i>campanulatum</i>. . . . .	.50 pkt.		
<i>cantabile</i>. . . . .	.85 ½ oz.		
<i>carolinianum</i> , N. E. . . . .	.65 ½ oz., 1.75 ¼ oz.		
<i>carolinianum</i> , bluish. . . . .	.50 pkt.		
<i>carolinianum</i> , white. . . . .	.50 pkt.		
<i>catawbiense</i>. . . . .	.95 ¼ oz.	2.85	
<i>catawbiense compactum</i> , N. E.	1.25 ½ oz.		
<i>caucasicum</i>. . . . .	.50 pkt.		
<i>cerasinum</i>	1.00 pkt.		
<i>cinnabarinum aestivale</i>	1.00 ½ oz.		
<i>decorum</i>. . . . .	.75 ½ oz., 2.25 ½ oz.		
<i>diaprepes</i>	1.00 ¼ oz.		
<i>discolor</i>. . . . .	.75 ½ oz., 2.25 ½ oz.		
<i>eximium</i>	1.00 pkt.		
<i>fortunei</i> , a hardy strain, N. E.	1.00 ¼ oz.		
<i>fulvum</i>	1.00 pkt.		
<i>griffithianum</i> var. <i>aucklandi</i>. . . . .	.50 ¼ oz.		
<i>haematodes</i>	1.00 ½ oz., 3.00 ½ oz.		
<i>hippophaeoides</i>. . . . .	.50 pkt.		
<i>leucaspis</i>	1.00 ½ oz.		
<i>maximum</i> , N. E.	1.00 ¼ oz.	3.50	
<i>ponticum</i> , Southern Europe. . . . .	.75	2.25	
<i>ponticum</i> , Northern Europe, garden strain. . . . .	.70 ¼ oz.	2.00	
<i>racemosum</i>. . . . .	.75 ½ oz.		
<i>soulei</i>	1.00 ½ oz.		
<i>tephropeplum</i>	1.00 ½ oz.		
<i>wardi</i>	1.00 ½ oz.		
<i>williamsianum</i>	1.00 ¼ oz., 3.00 ½ oz.		
RHODODENDRON HYBRIDS: see listing on page 25.			
RHODOTYPOS scandens (<i>kerrioides</i>) . . . . .	.55	1.40	4.10
RHUS canadensis (<i>aromatica</i>), clean, N. E. . . . .	.65	1.75	5.00
<i>copallina</i> , d.b. . . . .	.45	1.20	
<i>glabra</i> , d.b. . . . .	.45	1.25	
<i>trilobata</i> , clean. . . . .	.50	1.25	3.50
<i>typhina</i> , clean. . . . .	.55	1.50	
RIBES aureum , d.b., N. E.	1.00		
ROBINIA hispida fertilis	1.25	3.50	10.00
<i>pseudoacacia</i> , import seed (the Eastern U. S. strain) . . . . .	.50	1.00	
<i>pseudoacacia</i> , domestic seed, Western sources Idaho. . . . .	.75	2.25	
<i>pseudoacacia inermis</i> , Idaho. . . . .	.50	.90	2.50

	oz.	¼ lb.	lb.
ROSA arkansana, clean.....	.75	2.15	6.00
blanda, clean.....	.50	1.20	3.25
canina, clean.....		.50	1.10
carolina (humilis), d.b.....		1.10	3.00
eglanteria (rubiginosa), clean.....		.80	2.25
fujisanensis, clean.....	.45	1.25	
hugonis, d.b.....	1.25		
multiflora, thornless, clean.....	.50	1.10	3.00
multiflora, thorny, clean.....	.50	.90	2.50
nitida, dried hips.....		1.15	3.25
palustris, d.b.....		1.10	3.00
primula, d.b., more vigorous and free blooming than hugonis.....	1.00		
rugosa, clean.....	.50	1.00	2.75
rugosa, deep red selection, N. E., clean.....	.55	1.50	
rugosa, white, N. E., clean.....	.60	1.65	
setigera, dried hips.....		.55	1.50
setigera, clean.....	.60	1.65	4.50
spinosissima, clean.....	.75	2.15	6.00
spinosissima altaica, clean.....	1.50		
virginiana (lucida), clean.....	.75	2.15	6.00
wichuraiana, clean.....	.40	1.00	2.75
RUSCUS aculeatus, clean.....	.50	.80	2.25
SAMBUCUS canadensis, clean.....	.45	1.20	3.25
nigra, clean.....		.55	1.50
racemosa, clean.....	.40	1.00	2.75
SAPINDUS drummondi.....	.40	.90	2.50
mukorossi.....	.40	1.00	2.75
SASSAFRAS albidum (variifolium).....		.75	2.25
SCHINUS molle.....		.65	1.75
terebinthifolius.....		.90	2.50
SCHIZOPHRAGMA hydrangeoides.....	.75	2.20	
SCIADOPITYS verticillata.....	1.00	2.75	7.50
SEAFORTHIA elegans..... 250 seeds 1.25, 1,000 seeds 3.50			
SEQUOIA gigantea.....	2.00	5.50	15.00
sempervirens, California seed only.....	1.10	3.00	8.50
SHEPHERDIA argentea, d.b.....	.60	1.30	3.50
SMILAX rotundifolia, d.b.....		.70	2.00
SOPHORA japonica.....		.55	1.50
japonica seed from pendula form.....		.55	1.60
secundiflora..... 100 seeds .75, 500 seeds, 2.50			
SORBUS americana, d.b.....	.50	1.10	3.00
aria, clean.....	.55	1.40	4.00
aucuparia, imported, clean.....	.65	1.75	5.00
commixta, clean.....	.75	2.25	6.00
decora, d.b..... .50 ¼ oz.			
domestica, clean.....	1.25	3.50	
intermedia (scandica), clean.....	.60	1.65	4.50
terminalis, clean.....	.70	2.00	

	oz.	¼ lb.	lb.
SPARTIUM junceum.....		.50	1.25
STAPHYLEA bumalda.....	.50	1.25	3.50
trifolia.....	.50	.90	2.50
STEWARTIA koreana, N. E.....	1.00 ¼ oz.		
monadelpha, N. E.....	.70 ¼ oz.	2.00	
monadelpha, imported.....	1.00	3.00	
pseudocamellia, imported.....	1.00	3.00	
serrata, N. E.....	.50 ⅛ oz.		
STYRAX americana.....		.70	2.00
japonica.....	.50	.85	2.50
obassia.....	.50	1.25	3.75
SYMPHORICARPUS albus (racemosus).....	1.00	2.75	
orbiculatus (vulgaris), d.b.....		.70	2.00
SYMPLOCOS paniculata, conspicuous in flower (white) and fruit (bright blue).....	.60	1.65	4.50
SYRINGA amurensis japonica.....	1.25	3.30	9.00
henryi.....	1.00	3.00	
josikaea.....	.85	2.35	
josikaea pallida.....	1.00		
josikaea rosea.....	1.00	3.00	
villosa.....	1.00	3.00	
villosa rosea.....	1.00	3.00	
vulgaris.....	.50	1.10	3.00
vulgaris alba.....	.75	2.20	5.75
TAMARIX gallica.....		.60	1.50
TAXODIUM distichum.....		.60	1.50
distichum, clean.....		.90	2.50
TAXUS baccata.....		.60	1.65
baccata erecta, N. E.....	1.20	3.25	
baccata stricta (fastigiata).....	.50	1.25	3.50
cuspidata, N. E.....	1.30	3.60	10.00
cuspidata, seed from Japan (the so-called capitata form).....	.50	1.10	3.00
media hicksi, N. E.....	1.65	4.50	12.00
TETRAPANAX (Aralia) papyrifera.....	.65 ¼ oz.	1.75	
THEA (Camellia) sinensis.....		.60	1.50
THUJA occidentalis.....	.80	2.25	6.00
occidentalis Lake States.....	1.10	3.00	8.50
occidentalis aurea.....	.85	2.40	6.75
occidentalis pyramidalis.....	1.25	3.50	10.00
orientalis.....		.60	1.65
orientalis, New England seed.....	.50	1.25	3.50
orientalis, from select pyramids, N. E.....	.85	2.25	
orientalis aurea.....	.45	.80	2.25
orientalis compacta.....	.45	.80	2.25
orientalis elegantissima.....	.50	1.10	3.00
orientalis pyramidalis.....	.45	.80	2.25
orientalis tatarica.....	.50	.90	2.50
plicata, from Garden specimens.....	.65	1.70	4.75
TILIA americana.....		.55	1.50
cordata.....		.60	1.65
platyphyllos.....		.50	1.25
tomentosa.....		.50	1.25
TORREYA californica.....	.50	1.10	3.00
nucifera.....		.50	1.25

	oz.	¼ lb.	lb.
TRACHYCARPUS excelsus (fortunei).....		.35	1.00
TSUGA canadensis.....	2.00	5.60	16.00
caroliniana.....	2.10	5.75	16.50
diversifolia.....	1.00	2.80	8.00
sieboldi.....	1.00	2.80	8.00
ULEX europaeus.....	.45	.75	2.00
europaeus nanus.....	.75	2.00	
ULMUS americana.....			1.50
campestris, N. E.....		.90	2.50
pumila.....		.90	2.50
UMBELLULARIA californica.....		1.15	3.25
VACCINIUM canadense, d.b.....	.80	2.25	
corymbosum, d.b.....	.80	2.25	
corymbosum, d.b., from large fruited cultivated named varieties.....	.90	2.50	
pennsylvanicum (angustifolium), d.b.....	.90	2.50	
VIBURNUM acerifolium, clean.....	.50	1.25	3.50
alnifolium, d.b.....	.50	1.25	3.50
americanum (trilobum), clean.....	.85	2.40	6.75
bitchiuense, d.b.....	.50 ¼ oz.	1.50	4.50
carlesi hybrids, forms intermediate between carlesi and bitchiuense. 50 ¼ oz.	1.50	4.50	
cassinoides, d.b.....	.50	.90	2.50
dentatum, d.b.....		.70	2.00
dentatum, clean.....	.55	1.40	4.00
*dilatatum, clean.....	.50	1.15	3.25
lantana, clean.....		.70	2.00
lantana rugosum, d.b., attractive foliage, large showy clusters of fruit.....	.65	1.75	
lentago, clean.....	.50	1.25	3.50
odoratissimum, clean.....	.50	1.25	3.50
opulus, clean.....	.50	1.25	3.50
prunifolium, clean.....	.55	1.45	4.25
rhytidophyllum, d.b.....	.50	1.35	3.75
rufidulum, clean.....	.50	1.40	4.00
sargentii, clean.....	.50	1.40	4.00
sieboldi, clean.....		1.65	4.50
tinus, d.b.....		.50	1.25
tomentosum, clean.....		1.45	4.25
wrightii, clean, imported.....	.60	1.65	4.50
wrightii, from grafted specimens, N. E., clean.....	1.00	2.75	
VITEX agnus castus.....		.55	1.50
VITIS coignetiae.....	.50	1.10	3.00
riparia (odorata) the true, hardy Riverbank Grape, with fragrant flowers and sweet, very early ripening fruit.....	.75	2.00	
WASHINGTONIA filifera.....		.90	2.50
robusta.....		1.00	2.75
WEIGELA, garden varieties.....	.75		
WISTERIA floribunda (multijuga) blue.....	.50	1.10	3.00
floribunda, white.....	.50	1.35	3.75
frutescens.....	.50	.90	2.50
sinensis, blue.....	.50	.80	2.25
sinensis, white.....	.50	1.20	3.25
XANTHOCERAS sorbifolium.....	.50	1.65	
ZANTHOXYLUM americanum.....	.50	1.10	
ZIZYPHUS jujuba, clean.....		.80	2.25

SEEDS — HERBACEOUS PERENNIALS — MISCELLANEOUS

	oz.	¼ lb.	lb.
ACANTHUS latifolius.....	.65	1.75	4.75
mollis.....	.65	1.65	4.50
ACHILLEA filipendula, Parker's variety.....	.50 ¼ oz.	1.50	
ACONITUM napellus.....	.40 ¼ oz.	.75	2.75
ALYSSUM saxatile compactum.....	.30 ¼ oz.	.75	2.25
saxatile compactum, home grown, extra compact selection.....		1.25	3.00
ANCHUSA italica Dropmore, Gentian Blue.....	.45	1.10	3.25
myosotidiflora.....	1.25 ¼ oz.		
ANTHEMIS kelway, yellow.....	.40	1.25	
tinctoria, golden orange.....	.35 ¼ oz.	.90	
AQUILEGIA coerulea, true Rocky Mountain Longspurred Blue Columbine, choice garden grown seed.....	.65 ⅙ oz., 2.00 ¼ oz.		
Longspurred Blue Shades, home grown strain perfected by years of selective breeding, plants 3 to 4 feet high with huge flowers.....	.75 ⅙ oz.	6.00	
Longspurred Crimson Star.....	.65 ⅙ oz.	3.75	
Longspurred Hybrids in mixture, choicest domestic strain, claimed by promi- nent grower superior to any, many unusual shades.....	.85 ⅙ oz.	7.00	
Longspurred Hybrids, Mrs. Scott Elliots'.....	.50 ¼ oz.	1.50	
ARABIS alpina, dwarf Snow Cap variety.....	.35 ⅙ oz.	1.50	
alpina, giant flowered, early.....	.30 ¼ oz.	.60	1.50
ARALIA hispida, native woodland perennial, fruit relished by birds.....	.75	2.15	
ARMERIA formosa hybrids.....	.45 ¼ oz.	1.00	
formosa, Giant Rose-Pink.....	.55 ⅙ oz.		
ASCLEPIAS tuberosa.....	.50 ¼ oz.	1.50	
ASPARAGUS plumosus nanus.....	.50 ¼ oz.	1.25	3.75
plumosa robustus.....		1.75	5.25
sprengeri.....	.45 ¼ oz.	1.25	3.75
ATROPA belladonna.....	.35 ⅙ oz.	.90	
AUBRIETIA leichtlini, Carmine rose.....	.40 ¼ oz.	1.25	
purpurea, clear purple.....	.45 ¼ oz.	1.25	
Large Flowered Hybrids.....	.45 ¼ oz.	1.25	
BAPTISIA australis.....	.30 ¼ oz.	.60	1.80 5.50
CAMPANULA carpatica, blue, white or mixed, each.....	.35 ¼ oz.	.80	
persicifolia, white, blue or mixed—each.....	.35 ¼ oz.	1.00	
Telham Beauty.....	.40 ⅙ oz.	2.00	
CARNATION, hardy Grenadin, Bright scarlet, King of the Blacks, Rose Queen, Pure White, Yellow Queen—each.....	.65 ¼ oz.	2.00	
Grenadin, choicest mixed.....	.50 ¼ oz.	1.50	
Professor Malmgreen, early dwarf Vienna, double, brick red .....	.35 ⅙ oz., .75 ¼ oz.		
Simon's Triumph, hardy C. choice double blend.....	.35 ⅙ oz., .75 ¼ oz.		
Teicher's, fine large flowered hardy strain, wide range of colors .....	.55 ⅙ oz., 1.50 ¼ oz.		
Teicher's Scarlet.....	.65 ⅙ oz., 1.75 ¼ oz.		
CASSIA marilandica.....	.45 ¼ oz.	1.00	
CERASTIUM tomentosum.....	.30 ¼ oz.	.65	
CHRYSANTHEMUM Shasta Daisy, Alaska.....	.35 ¼ oz.	.60	
Snowdrift, giant flowered.....	.40 ¼ oz.	.85	
May Queen, earliest large flowered.....	.35 ¼ oz.	.75	
CLEMATIS recta.....	.35 ¼ oz.	.75	
CONVALLARIA majalis.....	.35 ¼ oz.	1.00	

	oz.	$\frac{1}{4}$ lb.	lb.
CYCLAMEN europaeum.....	.80 $\frac{1}{16}$ oz.		
neapolitanum.....	.80 $\frac{1}{16}$ oz.		
DELPHINIUM , all home grown, quality seeds in strains acclimated to U.S.A. conditions:			
Belladonna Improved.....	.40 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.		
Bellamosum Improved.....	.40 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.		
Cardinale.....	.35 $\frac{1}{16}$ oz., .60 $\frac{1}{4}$ oz.	2.00	
Gold Medal Hybrids.....	.35 $\frac{1}{16}$ oz., .75 $\frac{1}{4}$ oz.	2.50	
Lamartine.....	.40 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.	3.50	
Pacific Giants			
Astolot series , novel shades with dark bee.	1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.		
Black Knight , dark blue.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Blue Bird , clear medium blue, white bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Blue Jay , brilliant medium clear blue, dark bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Cameliard , pure lavender, white bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Galahad , glistening white, very large flowers (to 3 inches)	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Guinevere , light pink-lavender, white bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
King Arthur , brilliant dark violet, white bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Lancelot , clear lilac self.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Percival , white, black bee.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Summer Skies , clear light blue.	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.		
Pacific Giants , formula mixture of above varieties. ....	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.		
DIANTHUS deltoides erecta , bright red. ....	.50 $\frac{1}{4}$ oz.	1.50	
plumarius , Mayflower, early dwarf double. ....	.50 $\frac{1}{4}$ oz.	1.75	
plumarius, semperflorens , Spring Beauty, double. ....	.55 $\frac{1}{4}$ oz.	2.00	
plumarius , dwarf double. ....	.45 $\frac{1}{4}$ oz.	1.25	
DICENTRA eximia.....	.50 $\frac{1}{4}$ oz.	1.50	
DICTAMNUS fraxinella rosea.....	.35 $\frac{1}{4}$ oz.	.80	2.50
DIGITALIS Shirley , best variety, large flowered, spotted. ....	.25 $\frac{1}{4}$ oz.	.60	
purple.....	.25 $\frac{1}{4}$ oz.	.50	
white.....	.25 $\frac{1}{4}$ oz.	.50	
yellow.....	.25 $\frac{1}{4}$ oz.	.60	
GYPSOPHILA paniculata , white. ....	.35	.75	2.00
paniculata , Double Snow Flake. ....	.70 $\frac{1}{4}$ oz.	2.10	
repens , rose or white. ....	.35 $\frac{1}{4}$ oz.	.90	
HELIANTHEMUM mutabile.....	.40 $\frac{1}{4}$ oz.	1.00	
HELLEBORUS niger.....	.40 $\frac{1}{4}$ oz.	2.75	
IBERIS sempervirens , Candytuft, home grown. ....	.75 $\frac{1}{4}$ oz.	2.10	
LATHYRUS latifolius , Rose, N. E. ....	.40 $\frac{1}{4}$ oz.	1.00	
latifolius , White Pearl, N. E. ....	.40 $\frac{1}{4}$ oz.	1.00	
splendens.....	.70 $\frac{1}{4}$ oz.	2.00	
LAVANDULA vera (true Lavender).....	.40 $\frac{1}{4}$ oz.	1.00	3.00
LESPEDeza capitata	2.00	5.50	15.00
hirta	2.00	5.50	
LINUM narbonense , Heavenly Blue. ....	.50 $\frac{1}{8}$ oz.		
LUPINUS arboreus , Golden Spire. ....	.60	1.50	
polyphyllus , Blue. ....	.30	.60	2.00
Blue King , bright blue with long spikes. ....	.35 $\frac{1}{4}$ oz.	.75	
Carminc King , carmine red. ....	.40	1.00	3.00
Rose.....	.40	1.00	2.65
Rose and White (moerheimi), free blooming, fine compact habit. ....	.30 $\frac{1}{4}$ oz.	.65	1.50
Princess Juliana , bright pink. ....	.40	1.00	3.00
Salmon Shades.....	.40	1.00	2.75

LUPINUS (continued)	oz.	¼ lb.	lb.
Skyblue (coelestinus) . . . . .	.40	1.00	2.75
Violet (atroviolaceus) . . . . .	.40	1.00	2.75
White . . . . .	.40	1.00	2.50
Yellow Shades, true from seed . . . . .	.50	1.25	2.75
Yellow King, pure yellow . . . . .	.65	1.50	
Mixed Colors . . . . .	.35	.90	2.25
English Hybrids, Art Shades of many colors . . . . .	.40 ¼ oz.	.80	2.10
Russell Hybrids, home grown, N. E. . . . .	.40 ¼ oz.	1.00	3.00
Russell Hybrids, imported seed . . . . .	.45	1.25	3.75
LYCHNIS chalcidonica . . . . .	.45	1.10	3.00
viscaria splendens . . . . .	.50	1.50	
MIMOSA pudica . . . . .	.30 ¼ oz.	.75	2.25
OENOTHERA macrocarpa . . . . .	.65 ¼ oz.		
missouriensis . . . . .	.65 ¼ oz.		
PAEONIA officinalis . . . . .	.45	1.25	
peregrina . . . . .	.45	1.00	
PAPAVER nudicaule, Cardinal, deep red . . . . .	.35 ⅞ oz.	1.75	
nudicaule, Coonara strain, salmon, rose and pink shades . . . . .	.35 ⅞ oz.	1.50	
nudicaule, Gibson's New Orange . . . . .	.35 ⅞ oz.	1.75	
nudicaule, Sanford's Giant strain . . . . .	.35 ⅞ oz.	1.25	
orientale, stiff stemmed bracteata type . . . . .	.40 ⅞ oz.		
orientale Hybrid varieties . . . . .	.40 ⅞ oz.		
PENSTEMON cyananthus, 3 ft., deep purple . . . . .	.35 ¼ oz.	.60	
PHYSALIS francheti, Giant Lanterns . . . . .	.30 ¼ oz.	.85	
PLATYCODON Dwarf—Blue, White or Mixed, each . . . . .	.50 ¼ oz.	1.50	
Early flowered, blue . . . . .	.50 ¼ oz.	1.50	
PRIMULA japonica, home grown . . . . .	.45 ¼ oz.	3.00	
veris, Blue Shades . . . . .	.45 ⅞ oz., 1.20 ⅞ oz.		
Giant Munstead, light shades . . . . .	.65 ⅞ oz.		
Large flowered, Border Mixture . . . . .	.65 ⅞ oz.		
Gold Laced . . . . .	.50 ⅞ oz.		
Golden Yellow . . . . .	.50 ⅞ oz.		
Lutea, bright Yellow . . . . .	.50 ⅞ oz.		
Ruby Red . . . . .	.50 ⅞ oz.		
White . . . . .	.50 ⅞ oz.		
Teicher's Colossal strain, giant flowered, wide range of colors . . . . .	.75 ⅞ oz.		
PYRETHRUM, Giant Flowered, double . . . . .	.60 ¼ oz.	2.00	
James Kelway, bright vermilion red, yellow center . . . . .	.50 ¼ oz.	1.50	
Robinson's Giants, mixture . . . . .	.55 ¼ oz.	1.65	
Robinson's Dark Carmine . . . . .	.55 ¼ oz.	1.65	
ROMNEYA coulteri . . . . .	.45 ⅞ oz.	2.50	
SAPONARIA ocymoides . . . . .	.40 ¼ oz.	.75	
SCABIOSA caucasica goldingensis, deep lavender . . . . .	.60 ¼ oz.	1.75	
caucasica, House's strain . . . . .	.60 ¼ oz.	1.75	
caucasica perfecta . . . . .	.50 ¼ oz.	1.50	
THERMOPSIS caroliniana . . . . .	.60	2.00	6.00
THYMUS serpyllum . . . . .	.45 ⅞ oz.	2.25	
vulgaris . . . . .	.35 ⅞ oz.	1.25	
TRIFOLIUM repens atropurpureum . . . . .	.55 ¼ oz.	1.50	
TROLLIUS europaeus, lemon yellow . . . . .	.45 ¼ oz.	1.00	
Orange Globe, dark yellow . . . . .	.35 ⅞ oz., .85 ¼ oz.		
Ledebouri, dark orange . . . . .	.35 ⅞ oz., .85 ¼ oz.		
YUCCA filamentosa . . . . .	.45 ¼ oz.	1.00	3.00

AZALEA AND RHODODENDRON HYBRIDS

Favorable conditions of supply and adaptation of smaller weight units make it possible to again present a detailed list. Smallest weight unit listed, $\frac{1}{4}$ of an ounce, contains several thousand; packets of varieties offered by weight several hundred seeds. Seed count of *Rhododendron catawbiense* nearly 5,000 per $\frac{1}{4}$ ounce for example. Most all varieties listed are of English origin.

If exclusively taken from this section please have your order amount to at least \$3.00.

AZALEA—Deciduous:

Altaclarensis (mollis x viscosa) orange yellow, blotched

.75 pkt., 2.00 $\frac{1}{16}$ oz.

Calendulacea x arborescens75 pkt., 2.00 $\frac{1}{16}$ oz.

Embly Hybrids—a parallel development of the Exbury Hybrids

Embly Apricot, apricot pink, all colors, shades of yellow, pink, red

All—1.00 pkt., 2.00 $\frac{1}{32}$ oz., 6.00 $\frac{1}{8}$ oz.

Ghent Hybrids, all colors1.25 $\frac{1}{16}$ oz., 3.75 $\frac{1}{4}$ oz.

Exbury Hybrids, choice race, a separate development of Knaphill Hybrids, all colors1.00 pkt., 2.00 $\frac{1}{32}$ oz.

Knaphill Hybrids, the result of prolonged breeding inter-crossing mollis, pontica (ghent), calendulacea and occidentalis strains

1.00 pkt., 2.00 $\frac{1}{32}$ oz., 6.00 $\frac{1}{8}$ oz.

Mollis Hybrids (mollis x japonica)All—.75 pkt., 1.00 $\frac{1}{32}$ oz.

Koster's Brilliant Red, glossy orange red

Lemonora, apricot, center rose

Mrs. Oliver Slocock, rich orange-yellow, suffused terra-cotta

Robespierre, orange-red

Mollis Hybrids, from choice collection of named varieties

1.25 $\frac{1}{16}$ oz., 3.00 $\frac{1}{4}$ oz.

Occidentalis Hybrids (mollis x occidentalis) charming race, late flowering, sweet scented, in light shades with blotches of yellow and orange

.75 pkt., 1.25 $\frac{1}{32}$ oz.

AZALEA—Evergreen (New England grown):

Indica Hybrid x mucronata, large lavender flowers1.00 pkt.

Obtusa arnoldiana (obt. amoena x obt. kaempferi)

Cardinalis, deep red65 pkt., 1.50 $\frac{1}{32}$ oz.

Pink and Rose shades65 pkt., 1.25 $\frac{1}{32}$ oz.

Obtusa kaempferi hybrids (malvatica x kaempferi), very hardy and free blooming, in shades of red, rose and mixed, each

.65 pkt., 1.25 $\frac{1}{32}$ oz., 3.50 $\frac{1}{8}$ oz.

Obtusa kurume, from named varieties50 pkt.

Sanderi Hybrids (Indian Azalea x obtusa), salmon, rose, and red. 1.00 pkt.

RHODODENDRON HYBRIDS

Selection of popular varieties as grown by England nurserymen. All are time tested and valued for their hardiness, good foliage, full flower trusses, ability to stand exposure:

Varieties each **1.25 $\frac{1}{32}$ oz., 3.75 $\frac{1}{8}$ oz.**

Blend of all varieties **1.00 $\frac{1}{32}$ oz., 3.50 $\frac{1}{8}$ oz.**

American items priced separately

Alice, rose pink

Ascot Brilliant, deep crimson

Azor x griersonianum **1.25 $\frac{1}{32}$ oz.**

Bagshot Ruby, blood-crimson

Beauty of Littleworth (griffith hyb.), white

Britannia, bright crimson red

Catawbiense Hybrids, N. E.

Seed from album elegans selections, tall and fast growing, quite true from seed in shades of white and blush **1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.**

Pink and rose shades **1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.**

Seed from red flowered plants **1.25 $\frac{1}{16}$ oz.**

Catawbiense x Maximum (Wellesleyanum) **.60 $\frac{1}{16}$ oz.**

Corona, coral pink

Doncaster, scarlet crimson

Fortunei x Hardy Hybrids, from choice N. E. plants

1.00 $\frac{1}{32}$ oz., 2.50 $\frac{1}{8}$ oz.

Geoffrey Millais, white

Goldsworth Pink, pink

Iveryanum, scarlet

Jersey Cream, creamy yellow

J. J. De Vink, glowing crimson

Lady Clementine Mitford, peach pink, deeper margin

Lady Primrose, lemon yellow, red spots

Loder's White, pale mauve passing to pure white, large trusses

Madame de Bruin, cerise red

Meg Merillies, creamy white, shaded yellow and apricot

Mother of Pearl, blush turning snow-white

Mrs. A. R. Bide, deep pink, with brown-crimson ray

Pink Pearl, rose-pink

Queen Wilhelmina, large luminous cerise red

Rose Perfection, deep rose shaded glowing crimson

White Queen, pure white

Williamsianum Hybrids **1.00 $\frac{1}{32}$ oz.**

Yellow Loderi, yellow

RHODODENDRON HYBRIDS as listed in Rhododendron Stud Book of the Royal Horticultural Society. Most all of recent origin, some classical hybrids of long standing. All promising breeding material.

Unless priced otherwise—**Packets 1.00 each, 1.50 $\frac{1}{4}$ oz., 4.50 $\frac{1}{16}$ oz.**

Aladdin (grierson. x auricul.), brilliant salmon-cerise

Albatross (loderi x discolor), tall growing, large leaved, large trusses, white-shell pink

Androcles (arboreum x calophytum)

2.00 pkt.

Azor (gries. x discolor), soft salmon pink trumpet

Bellerophon (N. Shaw x eriogynum), fine late scarlet

Blue Tit (impeditum x Augustini)

Bonito (discolor x Luscombei), white, chocolate blotch

Carmania (Souvenir of Anthony Waterer x eriogynum)

Cornish Cross (thoms. x griff.), superb foliage, large crimson trusses

Cremorne (luscombei x campyl.), rose pink passing to soft yellow

Cupid (griff. x luscombei)

Fabia (diehr. x grierson.), low spreading, orange-salmon

Fireball (barbatum x Ascot Brilliant), bright red

Garnet (griff. x broughtoni), bright pink

Goldsworth Yellow (caucas. x campyl.), apricot changing to yellow. **2.00 pkt.**

Grenadier (Moser's Maroon x elliott.), deep blood-red, large flowers and trusses

Isabella (griff. x auric.), large fragrant white

Janet (Avalanche x Dr. Stocker) **2.00 pkt.**

Lady Bessborough (disc. x campyl. elatum), vigorous shrub, creamy yellow-orange, pink-maroon blotch **2.00 pkt., 3.00 $\frac{1}{16}$ oz.**

Lodauric (Loderi x auricul.), giant grower, huge trumpets, white, fragrant late

Loderi (griff. x fort.)

Variant King George, pink buds opening white

Variant Venus, white, pink flushed

Variant White Diamond, clear blush

Luscombei (fort. x thoms.), large pink, excellent foliage

Master Dick (griers. x Don), large trusses, carmine-scarlet

Mrs. Kingsmill (Penjerrick, A. M. var.) (campyl. el. x griff.) yellow

Mohamet (diehr. x Tally Ho), bell shaped, orange-crimson, brown spotting

Orestes (shilsoni x griers.), soft orange-pink

Pink Shell (griff. x H. M. Ardene), rose-pink

Polar Bear (diaprepes x auric.), magnificent late flowering giant, large white trusses **2.00 pkt.**

Queen o' the May (pink bell x griers), excellent white

Robin Hood (caloph. x sutchuense), blush

Rosabel (pink shell x grier.), large pale pink, darker veins

Sarita Loder (griers. x Loderi), large pink trumpets, large loose trusses

Shilsoni (thoms. x barb.), deep crimson red

Snow Queen (griff. x maximum x Loderi), pure white

Souldis (soulei x disc.), large trusses, white bell shaped flowers

Tally Ho (griers. x eriogynum), bright vermillion

Touchstone (griff. x ?), Neyron rose

NOTES OF INTEREST

DORMANCY IN SEEDS OF PINE, SPRUCE, OTHER CONIFERS—Failure to germinate promptly certain conifer seeds is often due to the fact that no consideration had been given to their dormancy factors. Seeds most usually concerned are:—White Spruce, White Pine, other Pines of the Cembra, Flexilis and Strobis groups.

In Fir (*Abies*), Hemlock (*Tsuga*), Douglas Fir (*Pseudotsuga*) dormancy occurrence is variable with dormancy found in some lots and none in others.

In Blue Spruce (*Picea pungens*) fifty percent of seeds are dormant the other half fast germinating.

Late spring planting of all of the before mentioned is apt to result in total failure or partial germination only. Fall planting for some, early spring planting for others or pre-treatment (stratification) of seed lots will be required for best results. Growers are requested:—

- A. To consult reference books for these problems.
- B. For earliest spring planting to prepare their beds in the fall, not to touch bed surface at sowing time but to dress with dry peatmoss, sow and cover with peatmoss and shades. Boarding-in of beds will facilitate this procedure.

NEW PROCEDURE IN STRATIFICATION—The use of polyethylene plastic film makes possible now the elimination of the moisture problem in stratification media. Trials with polyethylene film which retains moisture and water vapor, though not impermeable to air and gases, have given promising results. To anyone who has been troubled with stratification difficulties (and who has not?) trials and further experimentation with the new plastic are recommended. The gist of the matter is that stratification lots, i.e. seeds plus the properly moistened medium protected by the plastic film require no further watering during period of treatment.

For the stratification medium a good grade of peatmoss seems to be the most suitable. A moisture content of about fifty percent is ideal. At this percentage the peatmoss still feels quite dry and no water can be squeezed out. With no free water present the peatmoss reacts in the process merely as a moisture retainer but as a neutral agent otherwise. With higher concentration of moisture unfavorable reactions from the peatmoss itself may be expected to occur. Proper moistening is easily accomplished by using $2\frac{1}{2}$ -3 parts of dry peatmoss with one part of water by weight. These proportions are approximate, taking in consideration the natural moisture contents of dry peatmoss.

For small quantities of seed a mixture of the moistened peat and the seeds is placed in the middle of a square sheet of polyethylene and wrapped up diagonally, starting with one corner, with some folding of the film over the contents a neat round roll can be obtained which is held together with a rubber band with the label for the lot tucked under. The parcel is then ready for storage at proper temperature.

For large seed lots to be stratified in flats or boxes, containers are first lined with several layers of newspaper or the new rot-proof burlap. Two pieces of the plastic are cut to fit the container. The first, to go the length of the box, is cut as

wide as its width and as long as twice its length plus twice its depth. The second piece is cut somewhat wider than the length of the box to allow for coverage of corners and as long as its double width plus its double depth. The two pieces are fitted into the box as a lining in such manner as to provide top flaps from the sides and ends as well. The contents of seed and moistened peatmoss is filled in and the flaps folded over. A weight, just heavy enough to keep the flaps in place, is added and the container is ready for storage. The plastic film prevents any appreciable loss of moisture until termination of the planned period of treatment.

Polyethylene film is not expensive, it is available in three thicknesses. The lightest seems to be satisfactory for the purposes discussed. Trials concerning the superiority of the heavier grades have yet to be made.

CHAMAECYPARIS LAWSONIANA—This native tree known as Coos Bay Cypress in the confined area of its origin in Southern Oregon, and cut for timber, is sadly neglected in its homeland. In Europe it is one of the most widely planted of the lesser conifers and has given rise to a confusing number of horticultural varieties. Proof of its esteem are the cemeteries in which magnificent specimens, of all ages, may often be observed. The tree is not reliably hardy North of Boston.

PINE LORE

With many growers confused as to what strains of Scotch Pine to plant we feel competent in giving the following suggestions:

Practically all strains are, for some condition or other, suitable both for forest planting, i.e., timber production and for the use as ornamentals or Christmas trees.

In general two major races of Scotch Pine concern us here:

Strains from Northern Europe growing on the sandy plains which stretch from the coast of Belgium and Holland all the way east to, and around, the shores of the Baltic Sea. They are considered good strains for reforestation, grow comparatively fast, but usually have the objectionable feature of foliage discoloration with the approach of cold weather. They all do best on deep, sandy soils. If planted on better soils plants have a tendency to "overeat," grow too fast and are prone to fall prey to diseases and insect infestations.

The mountain strains from various origins in Europe usually growing on stony loam soils are better adapted for all around planting. It is from these strains that best results can be expected for use as Christmas trees.

PINUS MONTANA—which is much planted on mountain slopes and steep banks to stop erosion, rock and snow slides, is of equal value for stopping wind erosion of dune lands in coastal districts. Closely planted it will form, in time, impenetrable thickets, a barrier to wind-blown sand, a refuge for wild life.

Inquiries for seed of the Riga (East Baltic) strain of Scotch Pine are being received continually despite disappointing results growers of Christmas trees had for reasons of foliage discoloration in cold weather and slow growth of seedlings. With insufficient supplies from the East Baltic we have, in the past, recommended seed of West Baltic strain, i.e., seed from sources in Sweden, which judging from reports received from growers has given good results. For timber production in the north it seems to be equal to the Riga Pine and preferable where faster production is essential. Planted for Christmas trees no foliage discoloration was reported in Southern Pennsylvania, planted further north foliage may turn with approach of cold weather. For Christmas tree plantations on sandy soil we recommend it for trial.

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